

CLASSIFICATION: UNCLASSIFIED

FY2005 PRESIDENT'S BUDGET										DATE: FEBRUARY 2004
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE					
BA #3 AMPHIBIOUS SHIPS					LHD-1 AMPHIBIOUS ASSAULT SHIPS; BLI - 303500; SUBHEAD - 2385/2386/1386					
	PRIOR YEARS	FY2003	FY2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TO COMPLETE	TOTAL PROGRAM
QUANTITY	8	0	0	0	0	0	0	0	0	8
End Cost	9,552.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9,552.2
Less Advance Procurement	1,496.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,496.7
Less Escalation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Subsequent Year FF	948.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	948.1
Full Funding TOA	7,107.4	238.0	352.2	236.0	121.9	0.0	0.0	0.0	0.0	8,055.5
Plus Advance Procurement	1,496.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,496.7
Total Obligational Authority	8,604.1	238.0	352.2	236.0	121.9	0.0	0.0	0.0	0.0	9,552.2
Plus Outfitting and Post Delivery	248.1	0.0	0.0	10.1	8.6	32.0	3.2	26.8	0.0	328.9
Plus Escalation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	8,852.2	238.0	352.2	246.1	130.5	32.0	3.2	26.8	0.0	9,881.1
Unit Cost (Avg. End Cost)	1,194.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,194.0

**MISSION:**  
The primary mission of the ship will be amphibious assault. As a secondary mission, the LHD will operate AV-8's in the attack role. The LHD will have the capability to operate and support helicopters, VSTOL aircraft, amphibious craft and landing craft. It will be capable of embarking the troops, vehicles, cargo and aircraft landing forces and launching them in surface and vertical assault.

**Characteristics:**

<b><u>Hull</u></b>		<b><u>Production Status</u></b>	<b><u>FY02</u></b>
Length overall	844'	Award	4/02
Beam	106'	Months to Complete	
Displacement	40,533 TONS	a) Award to Delivery	63
Draft	26'6"	b) Construction Start to Delivery	50
		Commissioning Date	10/07

**Armament:**

CIWS/MK-15 Mod 12 (LHD 7 only)	AN/SLQ-32(V)3
AN/SPS-49(V)5 Radar	EXCOMM
AN/SPS-48E	Ship Surveillance Exploitation System
NATO Seasparrow	NTCS-A
Rolling Airframe Missile	CEC (LHD 8)
	SSDS MK II (LHD 8)

CLASSIFICATION: UNCLASSIFIED

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P-5 EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

APPROPRIATION: SHIPBUILDING AND  
CONVERSION, NAVY

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

BUDGET ACTIVITY: 3  
AMPHIBIOUS SHIPS

P-1 ITEM NOMENCLATURE: LHD 1 CLASS AMPHIBIOUS ASSAULT SHIP

SUBHEAD: 2385/2386/1386

ELEMENT OF COST	QTY	FY02
		TOT COST
PLAN COSTS	1	0
BASIC CONST/CONVERSION		1,390,183
CHANGE ORDERS		113,457
ELECTRONICS		255,680
PROPULSION EQUIPMENT		0
HM&E		49,373
OTHER COST		76,740
ORDNANCE		97,227
ESCALATION		76,673
TOTAL SHIP ESTIMATE		2,059,333
LESS ADVANCE PROCUREMENT FY99		44,205
LESS ADVANCE PROCUREMENT FY00		355,170
LESS ADVANCE PROCUREMENT FY01		455,777
LESS FY02 SUBSEQUENT YEAR FULL FUNDING		255,991
LESS FY03 SUBSEQUENT YEAR FULL FUNDING		238,058
LESS FY04 SUBSEQUENT YEAR FULL FUNDING		352,217
LESS FY06 SUBSEQUENT YEAR FULL FUNDING		121,897
NET P-1 LINE ITEM		236,018

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P-5B EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Basic/Escalation

Ship Type: LHD

<u>I. Design Schedule</u>	<u>Start</u>	<u>Complete</u>
Preliminary Design		
Contract Design		
Issue Date for TOR		
Detail Design (LHD 8)	JUN 2000	JUN 2002

II. Classification of Cost Estimates

CLASS C

<u>III. Basic Construction/Conversion</u>	<u>FY02</u>
a. RFP Response Date	NOV 2001
b. Award Date	APR 2002
c. Contract Type	FPI

<u>IV. Escalation</u>	
Base Date	JUN 2001

UNCLASSIFIED  
CLASSIFICATION

P-27 EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

SHIPBUILDING AND CONVERSION, NAVY  
Ship Production Schedule

SHIP TYPE	SHIPBUILDER	FISCAL YEAR AUTHORIZED	CONTRACT AWARD	START OF CONSTRUCTION	DELIVERY DATE
LHD 8	INGALLS	2002	Apr-02	May-03	Jul-07

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CLASSIFICATION

P-8A EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LHD

(1)  
FY 02

	<u>QTY</u>	<u>TOT COST</u>
ELECTRONIC EQUIPMENT		
a. P-35 Items		
1. AADS	1	5,068
2. AN/SLQ-32	1	5,704
3. AN/SPN-35C	1	2,395
4. AN/SPN-41	1	3,258
5. AN/TPX-42	1	3,959
6. AN/WSN-7	1	2,647
7. BFTT	1	7,050
8. C4ISR	1	98,892
9. CEC	1	12,081
10. IVN	1	8,982
11. JSIPS	1	6,300
12. MK-12 IFF	1	5,152
13. SSDS	1	53,656
14. AN/WQN-1	1	0
Subtotal		215,144
b. Major Items		
1. AN/SLQ-25	1	1,579
2. AN/SPN-43	1	2,682
3. AN/SRC-55	1	2,196
Subtotal		6,457
c. Other Electronics		34,079
TOTAL ELECTRONICS		255,680

UNCLASSIFIED  
CLASSIFICATION

P-8A EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LHD

(1)  
FY 02

QTY TOT COST

HM&E EQUIPMENT

a. P-35 Items

NONE

Subtotal

0

b. Major Items

1. Equipment & Engineerin

37,525

2. SUPSHIP Material/Svcs

3,675

3. Test & Instrumentation

8,173

4. Live Fire Test & Evaluati

0

Subtotal

49,373

c. Other HM&E

0

NONE

TOTAL HM&E

49,373

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CLASSIFICATION

P-8A EXHIBIT  
FY2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LHD

(1)  
FY 02

QTY TOT COST

ORDNANCE EQUIPMENT

a. P-35 Items

1. AN/SPQ-9B	1	6,997
2. AN/SPS-48E	1	12,675
3. AN/SPS-49	1	5,542
4. CIWS	2	11,537
5. Nato Seasparrow	2	22,145
6. RAM	2	16,981
Subtotal		75,877

b. Major Items

1. AN/SPS-67	1	1,109
2. TISS	1	1,705
3. SPQ-14 (ASDS)	1	2,559
Subtotal		5,373

c. Other Ordnance

1. Aviation Support		5,358
2. Ordnance Support		3,185
3. Total Ship Test Program		7,434
Subtotal		15,977
TOTAL ORDNANCE		97,227

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AMPHIBIOUS ASSAULT DIRECTION SYSTEM (AADS)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: AADS uses the Position Location Reporting System (PLRS) and/or the Enhanced PLRS (EPLRS) to track those ships and craft equipped with PLRS or EPLRS radios launched from the Amphibious Ready Group (ARG). The PLI tracks are calculated at the PLRS Master Station (MS) or EPLRS Net Control Station (NCS) installed on the ARG Command Ship (LHD/LHA) and transmitted to the AN/KSQ-1 workstation resident in CIC. The track data base is displayed on the KSQ-1 workstation allowing the Boat Control Officer to monitor the craft transiting the lanes to and from the objective.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	850
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	160
SPARES	362
SYSTEMS ENGINEERING	624
TECH ENGINEERING SVCS	0
OTHER COSTS	3,072
TOTAL	5,068

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	AVAYA AND DYNALEC	1	VARIOUS	VARIOUS

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	VARIOUS	VARIOUS	VARIOUS	VARIOUS

V. COMPETITION/SECOND SOURCE INITIATIVES  
N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/SLQ-32A(V3)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/SLQ-32A(V)3 is the Anti-Ship Missile Defense (ASMD) electronic warfare system that provides a family of modular shipborne electronic warfare equipment's. The Electronic Support Measures (ESM) part of the system automatically detects, sorts, classifies, identifies, and continuously displays signals within their frequency band.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	3,700 *
ANCILLARY EQUIPMENT	155
TECH DATA & DOC	79
SPARES	120
SYSTEMS ENGINEERING	60
TECH ENGINEERING SVCS	300
OTHER COSTS	1,290
TOTAL	5,704

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	N/A	1	3,700	N/A*

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Jun-04	30 Months	30 Months	N/A*

V. COMPETITION/SECOND SOURCE INITIATIVES:

N/A

\* Refurbished System

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/SPN-35C

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/SPN-35C is a Precision Approach Radar (PAR) set deployed on the MCS and LHD Class ships to provide mode III localizer and glide slope guidance to Navy/Marine aircraft. The radar set is used in conjunction with a Vertical/Short Take-off and Landing (V/STOL) Optical Landing System (OLS) and the AN/SPN-41A Instrument Control Landing System (ICLS) for precision landing operations.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	1,720
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	0
SPARES	0
SYSTEMS ENGINEERING	590
TECH ENGINEERING SVCS	31
OTHER COSTS	54
TOTAL	2,395

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	VARIOUS	1	1,720	VARIOUS

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Feb-05	32 Months	17 Months	Sep-03

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM:AN/SPN-41A

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: AN/SPN-41/41A: Transmitting set that provides all weather instrument approach guidance from the ship to the aircraft. Used as the ship's Instrument Landing System (ILS) & Monitor to provide azimuth and elevation alignment information.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	2,247
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	0
SPARES	0
SYSTEMS ENGINEERING	498
TECH ENGINEERING SVCS	156
OTHER COSTS	357
TOTAL	3,258

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	VARIOUS	1	2,247	VARIOUS

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Nov-06	23 Months	12 Months	Nov-03

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM:AN/TPX-42A(V) 14

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/TPX-42A(V) Direct Altitude and Identity Readout (DAIR) systems are designed to provide improved flight data processing, tracking and display capabilities for air traffic control (ATC) centers. They provide air traffic controllers with identity, altitude, and current status on aircraft within 50nm of the aviation capable platform.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	2,629
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	0
SPARES	280
SYSTEMS ENGINEERING	611
TECH ENGINEERING SVCS	0
OTHER COSTS	439
TOTAL	3,959

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	VARIOUS	1	2,629	VARIOUS

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Feb-04	32 Months	24 Months	Feb-02

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: RING LASER GYRO NAVIGATOR (RLGN) - AN/WSN-7(V)3

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/WSN-7 is a passive shipboard navigation system which continuously provides ship's position, attitude, heading and velocity information for navigation and combat systems users. Replaces AN/WSN-1/3/5 on surface and subsurface ships, to provide commonality, as well as correcting existing inadequacies in the areas of maintainability, performance, environmental effects, reliability and ownship costs.monitor the craft transiting the lanes to and from the objective.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
ANCILLARY EQUIPMENT	
MAJOR HARDWARE	1,100
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	135
SPARES	129
SYSTEMS ENGINEERING	212
TECH ENGINEERING SVCS	159
OTHER COSTS	912
TOTAL	2,647

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	AVAYA AND DYNALEC	1	1,100	Feb-03

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Nov-06	9 Months	7 Months	Apr-06

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: BATTLE FORCE TACTICAL TRAINING (BFTT) SYSTEM AND INTEGRATION

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/USQ-T46(V)BFTT System provides standardized combat system team proficiency training for the Surface Fleet in accordance with the Afloat Training Strategy. BFTT interfaces to and/or provides an integrated training capability for the primary combat system elements onboard LHD8.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	4,300
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	450
SPARES	125
SYSTEMS ENGINEERING	500
TECH ENGINEERING SVCS	400
OTHER COSTS	1,275
TOTAL	7,050

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	N/A	1	4,300	N/A

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	N/A	N/A	12	N/A

V. COMPETITION/SECOND SOURCE INITIATIVES:  
N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: COMMAND, CONTROL, COMMUNICATION, COMPUTER, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE (C4ISR)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The Command, Control, Communication, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) provides the link between the ship, the command hierarchy and other unit of the operation force.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	74,566
ANCILLARY EQUIPMENT	2,250
TECH DATA & DOC	4,000
SPARES	4,000
SYSTEMS ENGINEERING	3,500
TECH ENGINEERING SVCS	4,250
OTHER COSTS	6,326
TOTAL	98,892

III. CONTRACT DATA:

PROGRAM	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
YEAR 02	LHD	VARIOUS	1	VARIOUS	TBD

IV. DELIVERY DATA:

PROGRAM	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
YEAR 02	LHD	VARIOUS	VARIOUS	VARIOUS	TBD

V. COMPETITION/SECOND SOURCE INITIATIVES

N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/USG-2 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: AN/USG-2 Cooperative Engagement Capability (CEC) significantly improves Battle Force Anti-Air Warfare (AAW) capability (CEC) significantly improves by coordinating all Battle Force AAW sensors into a single, real-time, composite track picture capable of fire control quality. CEC distributes sensor data from each ship and aircraft, or cooperating unit (CU), to all other CU's in the battle force through a real-time, line of sight, high data rate sensor and engagement data distribution network. CEC data is presented as a superset of the best AAW sensor capabilities from each CU, all of which are integrated into a single input to each CU's combat weapons system. Moreover, CEC will provide critical connectivity and integration of over-land air defense systems capable of countering emerging air threats, including land attack cruise missiles, in a complex littoral environment. CEC consists of the DATA Distribution System (DDS), the Cooperative Engagement Processor (CEP), and Combat System modifications. The DDS encodes and distributes ownship sensor and providing a precision gridlocking and high throughput of data. The CEP is a high capacity distributed processor that is able to process force levels of data in a timely manner, allowing its output to be considered real-time fire control data.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	5,928
ANCILLARY EQUIPMENT	200
TECH DATA & DOC	0
SPARES	1,426
SYSTEMS ENGINEERING	450
TECH ENGINEERING SVCS	750
OTHER COSTS	3,327
TOTAL	12,081

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	1	5,928	Jun-01

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Nov-02		18 Months	Jun-01

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: INTEGRATED VOICE NETWORK(IVN)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The Integrated Voice Network (IVN) system provides replacement of current unsupportable, labor intensive shipboard tactical interior communication systems. IVN provides increased video, voice and data communications capability, and decreases the number of handsets and terminals in confined operational spaces onboard ship. IVN provides all interfaces to C41 installations onboard ship.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	6,913
ANCILLARY EQUIPMENT	715
TECH DATA & DOC	90
SPARES	0
SYSTEMS ENGINEERING	125
TECH ENGINEERING SVCS	0
OTHER COSTS	1,139
TOTAL	8,982

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	AVAYA AND DYNALEC	1	6,913	Feb-03

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Nov-06	9 Months	7 Months	Apr-06

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM:JOINT SERVICE IMAGERY PROCESSING SYSTEM - NAVY(JSIPS)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The Joint Service Imager Processing System-Navy (JSIPS-N) is a shipboard digital imagery system with the capability to receive, process, exploit, store and disseminate imagery products and imagery derived intelligence reports based upon multi-source imagery from national and tactical sensors. The primary purpose of JSIPS-N is to increase the self-sufficiency afloat of tactical aviators and strike, naval fire support and expeditionary force planners in the precision delivery of ordinance.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	5,300
ANCILLARY EQUIPMENT	250
TECH DATA & DOC	160
SPARES	240
SYSTEMS ENGINEERING	0
TECH ENGINEERING SVCS	0
OTHER COSTS	350
TOTAL	6,300

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	TBD	1	5,300	TBD

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	TBD	TBD	TBD	TBD

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM:MK12 IFF

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The Interrogator System AN/UPX-29 (V) is deployed on high capability, state of the art surface platforms that require Identification Friend or Foe (IFF) operational performance beyond that provided by a standard Mark XII system for combat identification.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	3,559
ANCILLARY EQUIPMENT	82
TECH DATA & DOC	138
SPARES	308
SYSTEMS ENGINEERING	291
TECH ENGINEERING SVCS	150
OTHER COSTS	624
TOTAL	5,152

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	LITTON	1	2,663	Nov-01
02	LHD	SANDERS	1	896	Mar-01

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Feb-04	32 Months	22 Months	N/A

V. COMPETITION/SECOND SOURCE INITIATIVES  
Non-Competitive/Sole Source Production Contract/CPAF

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: SHIP SELF DEFENSE SYSTEM (SSDS)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The SSDS MK2 provides selected ships with greater capability to defend themselves against Anti-Ship Cruise Missile (ASCM) attacks.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	14,163
ANCILLARY EQUIPMENT	204
TECH DATA & DOC	611
SPARES	1,179
SYSTEMS ENGINEERING	2,536
TECH ENGINEERING SVCS	1,000
OTHER COSTS	33,963
TOTAL	53,656

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	1	14,163	May-02

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Feb-04	28 Months	18 Months	Aug-02

V. COMPETITION/SECOND SOURCE INITIATIVES  
N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/SPQ-9B

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/SPQ-9B is a multimode. X-Band, narrow beam, pulse Doppler radar that detects all known projected sea skimming missiles at the horizon in heavy clutter, while simultaneously providing detection and tracking of surface targets and beacon responses.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	5,047
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	100
SPARES	400
SYSTEMS ENGINEERING	1,450
TECH ENGINEERING SVCS	0
OTHER COSTS	0
TOTAL	6,997

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	NORTHROP GRUMMAN	1	5,047	Jun-02

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	N/A	12 Months	18 Months	Jun-02

V. COMPETITION/SECOND SOURCE INITIATIVES:  
N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/SPS-48E RADAR

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/SPS-48E Radar is a three-coordinate air search radar whose primary function is to provide target position data to a weapon system. Collateral functions include air traffic and intercept control.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	7,700 *
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	150
SPARES	200
SYSTEMS ENGINEERING	960
TECH ENGINEERING SVCS	1,500
OTHER COSTS	2,165
TOTAL	12,675

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	ITT/GILFILLAN	1	7,700	N/A*

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	12/05	32 Months	18 Months	N/A*

V. COMPETITION/SECOND SOURCE INITIATIVES:

N/A

\* Refurbished system

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: AN/SPS-49 (V)5 RADAR

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The AN/SPS-49 Radar is a narrow beam, very long range, two dimensional air search radar. In replacing some older radar's which are nearing end-of-life, the AN/SPS-49 offers greatly improved operational performance, reliability and maintainability.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	3,439
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	0
SPARES	0
SYSTEMS ENGINEERING	575
TECH ENGINEERING SVCS	0
OTHER COSTS	1,528
TOTAL	5,542

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	1	3,439	N/A*

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	12/05	32 Months	24 Months	N/A*

V. COMPETITION/SECOND SOURCE INITIATIVES:  
N/A

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: CLOSE-IN WEAPONS SYSTEM (CIWS)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: A fast reaction terminal defense against low-flying high speed, anti-ship missile penetrating other fleet defensive envelopes. The system is an automatic, self contained unit consisting of search and track radar, digitalized fire control and a 20 MM gun on CIWS all mounted in a single above deck structure requiring a minimum of interference with other ship systems.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	9,476 *
ANCILLARY EQUIPMENT	100
TECH DATA & DOC	57
SPARES	968
SYSTEMS ENGINEERING	188
TECH ENGINEERING SVCS	367
OTHER COSTS	381
TOTAL	11,537

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	2	4,738	Feb-04

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Dec-05	19 Months	22 Months	Feb-04

V. COMPETITION/SECOND SOURCE INITIATIVES:

N/A

\* Refurbished System

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: NATO SEASPARROW SURFACE MISSILE SYSTEM (NSSMS)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: The NSSMS consists of a guided missile fire control system containing a power driven illuminator with bore sight television below deck control, digital computation, lightweight/low silhouette eight cell type launcher in an eight cell launcher.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	9,658 *
ANCILLARY EQUIPMENT	0
TECH DATA & DOC	0
SPARES	1,128
SYSTEMS ENGINEERING	2,479
TECH ENGINEERING SVCS	1,827
OTHER COSTS	7,053
TOTAL	22,145

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	2	4,829	Jan-03

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Nov-04	24 Months	24 Months	Jan-03

V. COMPETITION/SECOND SOURCE INITIATIVES:

N/A

\*Refurbished System

SHIPBUILDING AND CONVERSION, NAVY  
MAJOR SHIP COMPONENT FACT SHEET  
(\$000)

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEBRUARY 2004

ITEM: ROLLING AIRFRAME MISSILE (RAM)

I. DESCRIPTION/CHARACTERISTIC/PURPOSE: RAM is a lightweight, quick reaction high firepower missile system designed to provide anti-ship defense. The system is comprised of a MK44 Guided Missile Round Pack (GMRP) and the MK49 Guided Missile Launching System (GMLS) which holds 21 RAM missiles. This system is designed to counter high density anti-ship cruise missile raids and provides for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

II. CURRENT FUNDING

SHIPTYPE: LHD	FY02
MAJOR HARDWARE	10,804
ANCILLARY EQUIPMENT	153
TECH DATA & DOC	0
SPARES	318
SYSTEMS ENGINEERING	2,330
TECH ENGINEERING SVCS	120
OTHER COSTS	3,256
TOTAL	16,981

III. CONTRACT DATA:

PROGRAM YEAR	SHIPTYPE	CONTRACTOR	QTY	HARDWARE UNIT COST	CONTRACT AWARD DATE
02	LHD	RAYTHEON	2	5,402	Dec-01

IV. DELIVERY DATA:

PROGRAM YEAR	SHIPTYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE SHIP DEL	PRODUCTION LEAD TIME	REQUIRED AWARD
02	LHD	Oct-03	33 Months	21 Months	N/A

V. COMPETITION/SECOND SOURCE INITIATIVES:

N/A